PONY

سلسلة كتب الاستاذ

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ICT

Information and Communication Technology

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① Summary

Lesson 8

- Hyper Text Markup Language (HTML) is the standard programming language used to create web pages (websites).
- HTML consists of a series of elements, such as headings, paragraphs, links, and images.
- Web browsers read HTML documents and display the content according to the HTML tag.
- HTML tags have three main parts:

An opening tag `<>` | **The content** | **A closing tag** `</>`

- Some examples for HTML tags:

Element	HTML Tag
Largest Heading	Largest heading
Subheading	Subheading
Smallest Heading	Smaller Subheading
Paragraph	This is a paragraph
Font Size	<font size="1">
Font Color	<font color="red">

Hyperlink	 Visit EKB
Italics	Italics text
Bold	Bold text
Image	<img src="car.jpg" alt="self-driving car">

- HTML elements **break up** web pages to make them easier to scan and read.
- **HTML code** helps **people with low vision** to distinguish between parts of a web page.
- **Images** and **large headings** at the top of the page catches the attention.
- **Subheadings** make the text easy to scan and read.
- **Text** broken up into **paragraphs** makes it easy for the reader to scan the information they want.
- To make the images accessible, add **image** and **alt-text** tags.

Lesson 2

- **Electronic Games Advantages:**
  1. Promoting Critical Thinking
  2. Promoting Creative Thinking
  3. Encouraging Teamwork
- **Electronic Games Dangers:**
  1. **Physical Dangers**
  2. **Psychological Dangers**
  3. **Security Dangers**

1 Physical Dangers

- Electronic games affect your sleep cycle.
- It can cause:
  - Eye strain
  - Headaches
  - Back problems
  - Gaining weight

2 Psychological Dangers

- You may become anxious and depressed because:
  1. You feel lonely in the real world.
  2. You are being bullied online
- It makes some people aggressive, as some games promote violence.
- It can prevent some players from thinking rationally.
- It can negatively affect your relationship with your family and friends.

3 Security Dangers

- Large gaming communities are filled with cyberbullies.
- Hackers can cause your information to be leaked and viruses are easily spread.
- Multiplayer games, in particular, can put your security at risk.

Responsible Gaming

- To limit the dangers of electronic games:
  1. Only play games and chat with people you know and trust.
  2. Respect the limits that your parents set to prevent unhealthy gaming habits.
  3. Don't use personal information in your usernames and passwords.
  4. Don't use a webcam.
  5. Make sure that gaming does not replace real-life activities.
  6. When you face dangers, tell your parents.

Lesson 3

- It is irresponsible to leave your devices at risk by not taking proper safety precautions.
- There are many ways to protect your devices, such as:

1 Passwords

- Strong passwords are at least 8 characters and consist of:
  1. Letters
  2. Numbers
  3. Symbols (as @,#,%)

2 Multi-factor Authentication (MFA)

- It requires at least two ways of identifying yourself.

3 Fingerprint Authentication

- It will scan your finger, usually the thumb to confirm it's you.

4 Facial Recognition

- It will scan your face using your device's camera to confirm it's you.

5 Full Disk Encryption

- It scrambles your information and is accessible only with a password on your device.

Data Protection Law

- In 2020, Egypt formed the **Data Protection Law** to protect its citizens.
- Companies must report immediately if they've been victims of data theft, and let their customers know immediately as well.
- Companies and individuals should **report** data theft immediately.
- If you think your data has been compromised, tell your parents or a trusted adult.
- Tell your family and friends not to open attachments or click on links from your online accounts.